

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0022	Overall LMA Rating	Total LMA Miles							
Yolo County Service Area 6	U	5.87							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	1.00		1.00	17.05%	0.01	0.15			
Trim / Thin Trees	0.31	0.01	0.35	5.97%					
Encroachments	0.13		0.13	2.22%	1.17	0.01			
Animal Control	0.17	0.01	0.21	3.58%					
Slope Stability	0.05		0.05	0.85%					
Erosion / Bank Caving	0.05		0.05	0.85%					
<i>Supplemental</i>									
2017 USACE Erosion Survey, DRAFT	0.28		0.28	4.77%					
DWR UCIP Field Study					0.20	0.03			
<i>LMA Totals:</i>	1.99	0.02	2.07	35.29%	1.38	0.19	0.00	0.00	
Unit No. 01 Right Bank of Sacramento River at Knights Landing RB	Overall Unit Rating	Total Unit Miles							
NA0022	U	5.87							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	1.00		1.00	17.05%	0.01	0.15			
Trim / Thin Trees	0.31	0.01	0.35	5.97%					
Encroachments	0.13		0.13	2.22%	1.17	0.01			
Animal Control	0.17	0.01	0.21	3.58%					
Slope Stability	0.05		0.05	0.85%					
Erosion / Bank Caving	0.05		0.05	0.85%					
<i>Supplemental</i>									
2017 USACE Erosion Survey, DRAFT	0.28		0.28	4.77%					
DWR UCIP Field Study					0.20	0.03			
<i>Unit Totals:</i>	1.99	0.02	2.07	35.29%	1.38	0.19	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2018 Levee Inspection Results

Yolo County Service Area 6

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Yolo County Service Area 6

Waterway			Bank	Unit Miles
Unit No. 01 Right Bank of Sacramento River at Knights Landing			Right	5.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/15/2018 - 3/15/2018		9/28/2018 - 9/28/2018	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Casey Leibler Yolo County		Casey Leibler Yolo County	
	Elisa Sabatini Yolo County		Thomas Engler MBK	
	Thomas Engler MBK			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	33
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0022_01_s_2013_33				
Comment Code					
Inspector Comment					
Yolo County has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	34
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0022_01_s_2013_34				
Comment Code					
Inspector Comment					
Yolo County OES has a written flood response plan and flood response training.					

No Photos

LM Start		Rating **	A	Issue No.	38
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0022_01_s_2012_38				
Comment Code					
Inspector Comment					
Yolo County OES has a stockpile of flood response material.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.13	Rating **	C	Issue No.	58
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800621 °	38.800621 °
				-121.723211 °	-121.723211 °
DWR ID	DWR_NA0022_01_f_2017_58				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	0.13	Rating **	M	Issue No.	396
LM End	0.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.800647 °	38.800647 °
				-121.723212 °	-121.723212 °
DWR ID	19515				
Comment Code					
Inspector Comment					
FS_ID:31903 DS_ID:19515 EP_NO: 9425 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to properly abandon crossing per Title 23-- pipe has been disconnected. No signs of pipe visible on waterward and landward sides. Need to contact owner to determine additional information about pipe section through levee. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Pump structure in the channel. 8-inch pipe replaced by a 4-inch pipe. (Retention of an 8-inch steel pipe through the levee and a pump on a platform on the waterside [WS] authorized under Automatic Board Order (ABO) issued as Permit No. 9425, 1974 - Albert E. Nuttall). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_FA_2018_31903_58222.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.13	Rating **	M	Issue No.	396 (cont)	
LM End	0.13	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.800647 °	38.800647 °	
				-121.723212 °	-121.723212 °	
DWR ID	19515					
Comment Code						
Inspector Comment						
FS_ID:31903 DS_ID:19515 EP_NO: 9425 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to properly abandon crossing per Title 23-- pipe has been disconnected. No signs of pipe visible on waterward and landward sides. Need to contact owner to determine additional information about pipe section through levee. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Pump structure in the channel. 8-inch pipe replaced by a 4-inch pipe. (Retention of an 8-inch steel pipe through the levee and a pump on a platform on the waterside [WS] authorized under Automatic Board Order (ABO) issued as Permit No. 9425, 1974 - Albert E. Nuttall). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

LM Start	0.13	Rating **	M	Issue No.	396 (cont)
LM End	0.13	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_31903_58221.jpg



Overview of levee crown looking at crossing.

Photo 3 of 3 : UCIP_FA_2018_31903_58220.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.13	Rating **	C	Issue No.	6
LM End	0.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.800645°	38.801336°
				-121.723172°	-121.722106°
DWR ID	DWR_NA0022_01_s_2012_6				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim trees to allow visibility. Yolo County working to trim trees.					

No Photos

LM Start	0.15	Rating **	M	Issue No.	49
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800842°	38.800842°
				-121.722777°	-121.722777°
DWR ID	DWR_NA0022_01_f_2018_49				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0022_350_49_20181001_00129.jpg



View of the tree limbs on the waterside slope. Fall 2018.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.21	Rating **	M	Issue No.	397
LM End	0.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801280 °	38.801280 °
				-121.722000 °	-121.722000 °
DWR ID	19516				
Comment Code					
Inspector Comment					
FS_ID:31904 DS_ID:19516 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to properly abandon per Title 23 if corssing is no longer used--debris inside concrete box and near site. Need to contact owner. FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 14.5 feet below the crown. Slide gate in a concrete box on the waterside (WS) bank. (Automatic Board Order (ABO) issued as Permit No. Unknown, 1976 - Wallace) [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

LM Start	0.21	Rating **	M	Issue No.	397 (cont)
LM End	0.21	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_31904_58228.jpg



Pipe section with holes abandoned on waterward side.

Photo 2 of 3 : UCIP_FA_2018_31904_58227.jpg



View of waterward toe photo taken from bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.21	Rating **	M	Issue No.	397 (cont)	
LM End	0.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.801280 °	38.801280 °	
				-121.722000 °	-121.722000 °	
DWR ID	19516					
Comment Code						
Inspector Comment						
FS_ID:31904 DS_ID:19516 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to properly abandon per Title 23 if corssing is no longer used--debris inside concrete box and near site. Need to contact owner. FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 14.5 feet below the crown. Slide gate in a concrete box on the waterside (WS) bank. (Automatic Board Order (ABO) issued as Permit No. Unknown, 1976 - Wallace) [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_31904_58226.jpg



Concrete box located on waterward side.

LM Start	0.22	Rating **	M	Issue No.	28
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801394 °	38.801613 °
				-121.721918 °	-121.721328 °
DWR ID	DWR_NA0022_01_s_2012_28				
Comment Code					
BU : Building					
Inspector Comment					
RV park runs on and along levee to bridge.					

Photo 1 of 2 : FA_2018_NA0022_350_28_20180904_00015.jpg



The RV park is encroached into the levee crown. Fall 2013

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.22	Rating **	M	Issue No.	28 (cont)	
LM End	0.25	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.801394 °	38.801613 °	
				-121.721918 °	-121.721328 °	
DWR ID	DWR_NA0022_01_s_2012_28					
Comment Code						
BU : Building						
Inspector Comment						
RV park runs on and along levee to bridge.						

Photo 2 of 2 : FA_2018_NA0022_350_28_20180904_00016.jpg



Trailers on the crown of the levee. Spring 2014

LM Start	0.25	Rating **	M	Issue No.	59
LM End	0.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801588 °	38.801588 °
				-121.721353 °	-121.721353 °
DWR ID	DWR_NA0022_01_f_2017_59				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0022_350_59_20180904_00029.jpg



View of stairs on landside slope. Fall 2017.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.26	Rating **	M	Issue No.	398	
LM End	0.26	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.801597°	38.801597°	
				-121.721226°	-121.721226°	
DWR ID	19513					
Comment Code						
Inspector Comment						
FS_ID:45403 DS_ID:19513 EP_NO: 9424 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine alignment of crossing--it's either through levee or along landward side. It appears that the waterline goes along landward side. Need to contact owner to obtain additional information about crossing. 2 inch metal pipe sticking out at the waterward berm edge. FIELD_STRUCT_DESC: Water pipe of an unknown size or material through the levee, at an unknown depth. Faucets on the landside (LS) slope. (Retention of an underground water pipe and faucet on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 9424, 1974 - O. H. Ivey). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

LM Start	0.26	Rating **	M	Issue No.	398 (cont)
LM End	0.26	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_45403_60805.jpg



Spigot located on landward side.

Photo 2 of 3 : UCIP_FA_2018_45403_60804.jpg



Spigot located on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.26	Rating **	M	Issue No.	398 (cont)	
LM End	0.26	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.801597°	38.801597°	
				-121.721226°	-121.721226°	
DWR ID	19513					
Comment Code						
Inspector Comment						
FS_ID:45403 DS_ID:19513 EP_NO: 9424 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine alignment of crossing--it's either through levee or along landward side. It appears that the waterline goes along landward side. Need to contact owner to obtain additional information about crossing. 2 inch metal pipe sticking out at the waterward berm edge. FIELD_STRUCT_DESC: Water pipe of an unknown size or material through the levee, at an unknown depth. Faucets on the landside (LS) slope. (Retention of an underground water pipe and faucet on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 9424, 1974 - O. H. Ivey). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_45403_60803.jpg



View of waterward side.

LM Start	0.26	Rating **	M	Issue No.	60
LM End	0.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801605 °	38.801605 °
				-121.721059 °	-121.721059 °
DWR ID	DWR_NA0022_01_f_2017_60				
Comment Code					
DE : Debris					
Inspector Comment					
Sitting bench with posts set in concrete on levee crown.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.28	Rating **	M	Issue No.	56
LM End	0.28	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801628 °	38.801628 °
				-121.720838 °	-121.720838 °
DWR ID	DWR_NA0022_01_s_2018_56				
Comment Code					
DE : Debris					
Inspector Comment					
Fish cleaning station at waterside toe.					

No Photos

LM Start	0.29	Rating **	N	Issue No.	150
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.801637 °	38.801637 °
				-121.720605 °	-121.720605 °
DWR ID	DWR_NA0022_01_s_2017_150				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.29	Rating **	C	Issue No.	62
LM End	0.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801649 °	38.801649 °
				-121.720553 °	-121.720553 °
DWR ID	DWR_NA0022_01_f_2017_62				
Comment Code					
FE : Fence					
Inspector Comment					
CVFPB enforcement item 2016-10754.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.31	Rating **	M	Issue No.	61
LM End	0.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801721°	38.801721°
				-121.720271°	-121.720271°
DWR ID	DWR_NA0022_01_f_2017_61				
Comment Code					
ST : Stairway					
Inspector Comment					
CVFPB enforcement item 2016-10754.					

Photo 1 of 1 : FA_2018_NA0022_350_61_20180904_00030.jpg



View of stairs on landside slope. Fall 2017.

LM Start	0.33	Rating **	M	Issue No.	399
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801867°	38.801867°
				-121.719923°	-121.719923°
DWR ID	19534				
Comment Code					
Inspector Comment					
FS_ID:31906 DS_ID:19534 EP_NO: 17016 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm crossing alignment--steel pipe visible on waterward side however, unable to confirm if crossing is the same one found during field confirmation. Need to contact owner to verify alignment and status of crossing. Slope was too steep to verify and obtain additional information about pipe. FIELD_STRUCT_DESC: Three 2-inch and three 1.5-inch fiber optics conduits through the levee, encased in a single high-density polyethylene (HDPE) casing, 30 feet below the crown. Concrete cap on each end of the HDPE casing. Voids in the HDPE casing grouted. (Plans to install three 2-inch and three 1.5-inch fiber optics conduits within a casing across and bored under the Sacramento River and its levees authorized under Permit No. 17016, 2000 - Worldwide Fiber). FS Date: 3/4/2014					

Photo 1 of 2 : UCIP_FA_2018_31906_58238.jpg



Steel pipe located on waterward side--pipe disconnected.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

Photo 2 of 2 : UCIP_FA_201906_58237.jpg



No pipe attached along bridge.

Photo 1 of 1 : FA_2018_NA0022_350_26_20180904_00014.jpg



The apartments and fence along the toe of the levee. Fall 2013

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.35	Rating **	M	Issue No.	102
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801887°	38.802225°
				-121.719587°	-121.717186°
DWR ID	DWR_NA0022_01_s_2016_102				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove trees less than 4" in diameter at chest height.					

Photo 1 of 1 : FA_2018_NA0022_350_102_20180904_00051.jpg



View of the trees on the waterward side of the levee looking downstream. Spring 2016.

LM Start	0.40	Rating **	M	Issue No.	71
LM End	0.40	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.802052 °	38.802052 °
				-121.718624 °	-121.718624 °
DWR ID	DWR_NA0022_01_f_2016_71				
Comment Code					
EQ : Equipment					
Inspector Comment					
USACE trailers on waterside berm.					

Photo 1 of 1 : FA_2018_NA0022_350_71_20180904_00034.jpg



Vehicles and equipment on waterward side of the levee. Fall inspection 10/07/2016.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.41	Rating **	M	Issue No.	104
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802066 °	38.802126 °
				-121.718477 °	-121.718133 °
DWR ID	DWR_NA0022_01_s_2016_104				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0022_350_104_20180904_00052.jpg



View of the tree on the landward side of the levee looking downstream.
Spring 2016.

LM Start	0.50	Rating **	M	Issue No.	395
LM End	0.54	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.802120°	38.801882°
				-121.716867°	-121.716165°
DWR ID	DWR_NA0022_01_f_2013_395				
Comment Code					
MA : Material					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0022_350_395_20180904_00063.jpg



Material blocking visibility on the waterside of the levee. Fall 2013

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.51	Rating **	M	Issue No.	400
LM End	0.51	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.802062°	38.802062°
				-121.716740°	-121.716740°
DWR ID	19544				
Comment Code					
Inspector Comment					
FS_ID:31627 DS_ID:19544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if signs of crossing are for the same crossing listed here. Need to contact owner and determine additional information about crossing. Also found is service box for water line--need permit and alignment confirmation. FIELD_STRUCT_DESC: 10-inch steel pipe of an unknown purpose through the levee, at an unknown depth. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 285+27)]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_FA_2018_31627_57881.jpg



View of landward side. Alignment is visible on paved road.

LM Start	0.51	Rating **	M	Issue No.	400 (cont)
LM End	0.51	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_31627_57880.jpg



View of waterward side. Alignment is visible on paved road.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.51	Rating **	M	Issue No.	400 (cont)	
LM End	0.51	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.802062 °		38.802062 °
				-121.716740 °		-121.716740 °
DWR ID	19544					
Comment Code						
Inspector Comment						
FS_ID:31627 DS_ID:19544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if signs of crossing are for the same crossing listed here. Need to contact owner and determine additional information about crossing. Also found is service box for water line--need permit and alignment confirmation. FIELD_STRUCT_DESC: 10-inch steel pipe of an unknown purpose through the levee, at an unknown depth. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 285+27)]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_31627_57879.jpg



Service box located on waterward side near fence post.

LM Start	0.52	Rating **	U	Issue No.	63
LM End	0.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801980 °	38.801929 °
				-121.716502 °	-121.716330 °
DWR ID	DWR_NA0022_01_f_2017_63				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.54	Rating **	M	Issue No.	24
LM End	0.57	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801910 °	38.801823 °
				-121.716170 °	-121.715683 °
DWR ID	DWR_NA0022_01_s_2012_24				
Comment Code					
FE : Fence					
Inspector Comment					
Chain link fence on levee crown.					

Photo 1 of 1 : FA_2018_NA0022_350_24_20180904_00013.jpg



View of chain link fence on crown. Fall 2013.

LM Start	0.55	Rating **	M	Issue No.	401
LM End	0.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801855 °	38.801855 °
				-121.716003 °	-121.716003 °
DWR ID	19553				
Comment Code					
Inspector Comment					
FS_ID:38995 DS_ID:19553 EP_NO: 17649 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 1 inch line visible on landward side (38.801855, -121.716003) unable to confirm if line is the line authorized. Need to contact owner to confirm installation and size. FIELD_STRUCT_DESC: 2 of 2: 1.5-inch water line of an unknown material through the levee, 2 feet below the crown. (Plans to install a 4-inch sewer line and a 1.5-inch water line through the levee authorized under Permit No. 17649, 2004 - Gerald R. Rose). FS Date: 3/4/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.56	Rating **	A/W	Issue No.	23
LM End	0.64	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801965°	38.801468°
				-121.715705°	-121.714348°
DWR ID	DWR_NA0022_01_s_2012_23				
Comment Code					
BU : Building					
Inspector Comment					
Yolo Sutter Yacht Club Permit No. 2778.					

Photo 1 of 1 : FA_2018_NA0022_350_23_20180904_00012.jpg



View of the Yacht club on the crown of the levee looking downstream.
Fall 2015.

LM Start	0.57	Rating **	U	Issue No.	22
LM End	0.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801815 °	38.800928 °
				-121.715628 °	-121.712991 °
DWR ID	DWR_NA0022_01_s_2012_22				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleander hedge completely blocks visibility and access on landside slope.					

Photo 1 of 1 : FA_2018_NA0022_350_22_20180904_00011.jpg



Oleanders along the shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.57	Rating **	M	Issue No.	402	
LM End	0.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.801798 °	38.801798 °	
				-121.715584 °	-121.715584 °	
DWR ID	19519					
Comment Code						
Inspector Comment						
FS_ID:38188 DS_ID:19519 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find any signs of crossing on waterward side. Signs of concrete riser visible on landward side. If crossing is abandoned owner will need to coordinate with the Central Valley Flood Protection Board (CVFPB) for Title 23 requirements. FIELD_STRUCT_DESC: 10-inch pipe of an unknown material or purpose through the levee, 3.3 feet below the crown. 24-inch concrete riser on the landside (LS). Plate welded on the waterside (WS) end in 1975. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 1 of 3 : UCIP_FA_2018_38188_69562.jpg



View of waterward side.

LM Start	0.57	Rating **	M	Issue No.	402 (cont)
LM End	0.57	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_38188_69560.jpg



View of waterward slope. Large hole visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.57	Rating **	M	Issue No.	402 (cont)	
LM End	0.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.801798 °	38.801798 °	
				-121.715584 °	-121.715584 °	
DWR ID	19519					
Comment Code						
Inspector Comment						
FS_ID:38188						
DS_ID:19519						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Unable to find any signs of crossing on waterward side. Signs of concrete riser visible on landward side. If crossing is abandoned owner will need to coordinate with the Central Valley Flood Protection Board (CVFPB) for Title 23 requirements.						
FIELD_STRUCT_DESC: 10-inch pipe of an unknown material or purpose through the levee, 3.3 feet below the crown. 24-inch concrete riser on the landside (LS). Plate welded on the waterside (WS) end in 1975. [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_38188_69561.jpg



Residential property standpipe located behind fence.

LM Start	0.63	Rating **	C	Issue No.	64
LM End	0.63	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801485 °	38.801485 °
				-121.714621 °	-121.714621 °
DWR ID	DWR_NA0022_01_s_2018_64				
Comment Code					
DE : Debris					
Inspector Comment					
Deck on crown.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.65	Rating **	M	Issue No.	70
LM End	0.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801372 °	38.801372 °
				-121.714247 °	-121.714247 °
DWR ID	DWR_NA0022_01_f_2015_70				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0022_350_70_20180904_00033.jpg



View of the firewood on the landward side of the levee looking downstream. Fall 2015.

LM Start	0.93	Rating **	M	Issue No.	403	
LM End	0.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.800200 °	38.800200 °	
				-121.709258 °	-121.709258 °	
DWR ID	19540					
Comment Code						
Inspector Comment						
FS_ID:31969 DS_ID:19540 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe section on waterward side appears to have been removed and reinstalled--Need to contact owner to obtain additional information regarding work completed. FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe through the levee, 4.6 feet below the crown. Pump and valve on the riverbank. See DS_ID 19521. (Plans for installation of an angle mount low-lift pump and structure to replace an existing portable pumping plant, which will be connected to the existing 14-inch discharge pipe through the levee authorized under Permit No. 3798, 1961 - Alta Morris). [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 266+72.2)]. FS Date: 3/4/2014						

Photo 1 of 3 : UCIP_FA_2018_31969_58410.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.93	Rating **	M	Issue No.	403 (cont)	
LM End	0.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.800200 °	38.800200 °	
				-121.709258 °	-121.709258 °	
DWR ID	19540					
Comment Code						
Inspector Comment						
FS_ID:31969 DS_ID:19540 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe section on waterward side appears to have been removed and reinstalled--Need to contact owner to obtain additional information regarding work completed. FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe through the levee, 4.6 feet below the crown. Pump and valve on the riverbank. See DS_ID 19521. (Plans for installation of an angle mount low-lift pump and structure to replace an existing portable pumping plant, which will be connected to the existing 14-inch discharge pipe through the levee authorized under Permit No. 3798, 1961 - Alta Morris). [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 266+72.2)]. FS Date: 3/4/2014						

Photo 2 of 3 : UCIP_FA_2018_31969_58409.jpg



Pipe located on waterward side.

LM Start	0.93	Rating **	M	Issue No.	403 (cont)
LM End	0.93	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_31969_58408.jpg



Pipe junction exposed on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	0.99	Rating **	M	Issue No.	50
LM End	1.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800197°	38.801805°
				-121.708227°	-121.703104°
DWR ID	DWR_NA0022_01_f_2018_50				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
LMA is working to secure a spray contract for wild vegetation.					

No Photos

LM Start	1.07	Rating **	M	Issue No.	154
LM End	1.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800364 °	38.800364 °
				-121.706751 °	-121.706751 °
DWR ID	DWR_NA0022_01_s_2017_154				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large tree trunk on waterside levee slope.					

No Photos

LM Start	1.52	Rating **	M	Issue No.	69
LM End	1.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800988 °	38.800988 °
				-121.699597 °	-121.699597 °
DWR ID	DWR_NA0022_01_s_2018_69				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	1.72	Rating **	M	Issue No.	404	
LM End	1.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.798388 °	38.798388 °	
				-121.698145 °	-121.698145 °	
DWR ID	19522					
Comment Code						
Inspector Comment						
FS_ID:31912 DS_ID:19522 EP_NO: 6296 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker housing on landward slope unit damaged and debris scattered on landward side. Unable to determine if crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 12-inch (not 14-inch as indicated in the desk study) coated steel irrigation discharge pipe through the levee, 11.8 feet below the crown. Standard corrugated metal cutoff wall around pipe at centerline of levee. 1.25-inch electrical conduit through the levee. Electrical control panel on the waterside (WS) slope. Slant pump mounted on a steel structure on the riverbank. Siphon breaker on the landside (LS) shoulder. Pipe extends from pump to existing irrigation ditch at the LS toe. (Plans to install a pump and pipe through the levee authorized under Permit No. 6296, 1968 - Emma Collier). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

LM Start	1.72	Rating **	M	Issue No.	404 (cont)
LM End	1.72	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_31912_58261.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2018_31912_58260.jpg



Riser on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	1.72	Rating **	M	Issue No.	404 (cont)	
LM End	1.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.798388 °	38.798388 °	
				-121.698145 °	-121.698145 °	
DWR ID	19522					
Comment Code						
Inspector Comment						
FS_ID:31912 DS_ID:19522 EP_NO: 6296 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker housing on landward slope unit damaged and debris scattered on landward side. Unable to determine if crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 12-inch (not 14-inch as indicated in the desk study) coated steel irrigation discharge pipe through the levee, 11.8 feet below the crown. Standard corrugated metal cutoff wall around pipe at centerline of levee. 1.25-inch electrical conduit through the levee. Electrical control panel on the waterside (WS) slope. Slant pump mounted on a steel structure on the riverbank. Siphon breaker on the landside (LS) shoulder. Pipe extends from pump to existing irrigation ditch at the LS toe. (Plans to install a pump and pipe through the levee authorized under Permit No. 6296, 1968 - Emma Collier). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_31912_58259.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	1.75	Rating **	M	Issue No.	405	
LM End	1.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.797928 °	38.797928 °	
				-121.697992 °	-121.697992 °	
DWR ID	19539					
Comment Code						
Inspector Comment						
FS_ID:38190						
DS_ID:19539						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing.						
FIELD_STRUCT_DESC: *ABANDONED* 12-inch corrugated metal irrigation discharge pipe through the levee, at an unknown depth. Gate valve in pump house on the waterside (WS), no pump house found. Crossing was abandoned prior to 1968. [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 224+3.5), 18-inch pipe referenced].						
FS Date: 3/4/2014						

LM Start	1.75	Rating **	M	Issue No.	405 (cont)
LM End	1.75	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_38190_69563.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2018_38190_69565.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	1.75	Rating **	M	Issue No.	405 (cont)	
LM End	1.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.797928 °	38.797928 °	
				-121.697992 °	-121.697992 °	
DWR ID	19539					
Comment Code						
Inspector Comment						
FS_ID:38190 DS_ID:19539 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: *ABANDONED* 12-inch corrugated metal irrigation discharge pipe through the levee, at an unknown depth. Gate valve in pump house on the waterside (WS), no pump house found. Crossing was abandoned prior to 1968. [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 224+3.5), 18-inch pipe referenced]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_38190_69564.jpg



Concrete box located on landward toe.

LM Start	1.77	Rating **	M	Issue No.	112
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.797596 °	38.797596 °
				-121.697855 °	-121.697855 °
DWR ID	DWR_NA0022_01_s_2016_112				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove walnut and oak tree at landside toe that is less than 4" in diameter at chest height.					

Photo 1 of 1 : FA_2018_NA0022_350_112_20180904_00053.jpg



View of the tree at the toe of the levee on the landward side looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	1.80	Rating **	M	Issue No.	68
LM End	1.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.797282°	38.797282°	
			-121.697636°	-121.697636°	
DWR ID	DWR_NA0022_01_f_2017_68				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.81	Rating **	M	Issue No.	114
LM End	1.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.797142°	38.797142°	
			-121.697479°	-121.697479°	
DWR ID	DWR_NA0022_01_s_2016_114				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.93	Rating **	C	Issue No.	159
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.795827°	38.795827°	
			-121.696117°	-121.696117°	
DWR ID	DWR_NA0022_01_s_2017_159				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	1.96	Rating **	M	Issue No.	119
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.795418 °	38.795418 °
				-121.695964 °	-121.695964 °
DWR ID	DWR_NA0022_01_s_2016_119				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes on landside slope near toe.					

Photo 1 of 2 : FA_2018_NA0022_350_119_20180904_00056.jpg



Updated view of rodent holes on landside slope. Fall 2017.

LM Start	1.96	Rating **	M	Issue No.	119 (cont)
LM End	1.96	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2018_NA0022_350_119_20180904_00057.jpg



View of the rodent hole on the landward side of the levee. Spring 2016.

LM Start	1.96	Rating **	M	Issue No.	51
LM End	1.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.795405 °	38.795405 °
				-121.695965 °	-121.695965 °
DWR ID	DWR_NA0022_01_f_2018_51				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	1.96	Rating **	M	Issue No.	118
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.795360 °	38.794760 °
				-121.695952 °	-121.695781 °
DWR ID	DWR_NA0022_01_s_2016_118				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove trees that are less than 4" in diameter at chest height.					

No Photos

LM Start	1.97	Rating **	M	Issue No.	406	
LM End	1.97	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.795248 °	38.795248 °	
				-121.695958 °	-121.695958 °	
DWR ID	19524					
Comment Code						
Inspector Comment						
FS_ID:40536 DS_ID:19524 EP_NO: 9413 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Alignment through levee unknown--no signs of crossing through landward side. Need to contact owner to determine status of crossing. This crossing appears to have been updated since 1970s. FIELD_STRUCT_DESC: 24-inch pipe of an unknown material or purpose through the levee, 15.5 feet below the crown. Gate valve on the landside (LS) end. Ramp on the waterside (WS) slope. (Retention of a 30-inch pipe through the levee and a slide gate in a corrugated metal pipe [CMP] riser on both slopes authorized under Automatic Board Order (ABO) issued as Permit No. 9413, 1974 - Wallace Construction Company). Added appurtenances noticed in 2014: pump, metal frame platform, flow meter, and control panel on the WS. Appurtenances could be associated with Permit No. 12804. This appears to be the same entry as DS_ID 19538. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 1 of 3 : UCIP_FA_2018_40536_58265.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	1.97	Rating **	M	Issue No.	406 (cont)	
LM End	1.97	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.795248 °	38.795248 °	
				-121.695958 °	-121.695958 °	
DWR ID	19524					
Comment Code						
Inspector Comment						
FS_ID:40536 DS_ID:19524 EP_NO: 9413 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Alignment through levee unknown--no signs of crossing through landward side. Need to contact owner to determine status of crossing. This crossing appears to have been updated since 1970s. FIELD_STRUCT_DESC: 24-inch pipe of an unknown material or purpose through the levee, 15.5 feet below the crown. Gate valve on the landside (LS) end. Ramp on the waterside (WS) slope. (Retention of a 30-inch pipe through the levee and a slide gate in a corrugated metal pipe [CMP] riser on both slopes authorized under Automatic Board Order (ABO) issued as Permit No. 9413, 1974 - Wallace Construction Company). Added appurtenances noticed in 2014: pump, metal frame platform, flow meter, and control panel on the WS. Appurtenances could be associated with Permit No. 12804. This appears to be the same entry as DS_ID 19538. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

LM Start	1.97	Rating **	M	Issue No.	406 (cont)
LM End	1.97	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_40536_58264.jpg



View of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2018_40536_58263.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	1.97	Rating **	M	Issue No.	117
LM End	2.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.795234 °	38.793974 °
				-121.695898 °	-121.695852 °
DWR ID	DWR_NA0022_01_s_2016_117				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA_2018_NA0022_350_117_20180904_00054.jpg



View of rodent holes on landside slope. Fall 2017.

LM Start	1.97	Rating **	M	Issue No.	117 (cont)
LM End	2.06	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2018_NA0022_350_117_20180904_00055.jpg



Series of animal burrows on LS slope of the levee. Fall inspection 10/07/2016.

LM Start	2.03	Rating **	C	Issue No.	19
LM End	2.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.794344 °	38.794259 °
				-121.695670 °	-121.695672 °
DWR ID	DWR_NA0022_01_s_2012_19				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.04	Rating **	M	Issue No.	407	
LM End	2.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.794288 °	38.794288 °	
				-121.695678 °	-121.695678 °	
DWR ID	19523					
Comment Code						
Inspector Comment						
FS_ID:31632 DS_ID:19523 EP_NO: 9413 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Erosion at outlet. Unable to determine if crossing is still in use. Will need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 30-inch corrugated metal gravity irrigation pipe through the levee, 13.5 feet below the crown. Slide gate on each end in a 48-inch corrugated metal pipe (CMP) riser. (Retention of a 30-inch pipe through the levee and a slide gate in a corrugated metal pipe [CMP] riser on both slopes authorized under Automatic Board Order (ABO) issued as Permit No. 9413, 1974 - Wallace Construction Company. Plans to relocate an existing incline irrigation pumping plant authorized under Permit No. 12804, 1979 - Wallace Construction Company). Pumping plant appears to be located at CLM 1.969, and pipe runs along the waterside (WS) berm and discharges into a ditch where the 30-inch pipe is used to convey the irrigation water to the landside (LS). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

LM Start	2.04	Rating **	M	Issue No.	407 (cont)
LM End	2.04	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_31632_57905.jpg



Outlet located on landward toe.

Photo 2 of 3 : UCIP_FA_2018_31632_57903.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.04	Rating **	M	Issue No.	407 (cont)	
LM End	2.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.794288 °	38.794288 °	
				-121.695678 °	-121.695678 °	
DWR ID	19523					
Comment Code						
Inspector Comment						
FS_ID:31632 DS_ID:19523 EP_NO: 9413 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Erosion at outlet. Unable to determine if crossing is still in use. Will need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 30-inch corrugated metal gravity irrigation pipe through the levee, 13.5 feet below the crown. Slide gate on each end in a 48-inch corrugated metal pipe (CMP) riser. (Retention of a 30-inch pipe through the levee and a slide gate in a corrugated metal pipe [CMP] riser on both slopes authorized under Automatic Board Order (ABO) issued as Permit No. 9413, 1974 - Wallace Construction Company. Plans to relocate an existing incline irrigation pumping plant authorized under Permit No. 12804, 1979 - Wallace Construction Company). Pumping plant appears to be located at CLM 1.969, and pipe runs along the waterside (WS) berm and discharges into a ditch where the 30-inch pipe is used to convey the irrigation water to the landside (LS). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_31632_57904.jpg



View of waterward side.

LM Start	2.04	Rating **	M	Issue No.	7
LM End	2.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.794259 °	38.792907 °
				-121.695697 °	-121.696033 °
DWR ID	DWR_NA0022_01_s_2016_7				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the toe of the levee.					

Photo 1 of 1 : FA_2018_NA0022_350_7_20180904_00003.jpg



View of the ditch at the levee toe on the landward side looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.06	Rating **	M	Issue No.	408	
LM End	2.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.794035 °	38.794035 °	
				-121.695870 °	-121.695870 °	
DWR ID	19538					
Comment Code						
Inspector Comment						
FS_ID:31915						
DS_ID:19538						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Buried gate valve on landward slope. Crossing appears to be non-functional. Landward pipe section across canal has deteriorated. Will need to contact owner to determine status of crossing. If crossing is not in use owner will need to contact the CVFPB to abandon properly according to Title 23.						
FIELD_STRUCT_DESC: 20-inch corrugated metal gravity drainage pipe through the levee, at an unknown depth. 20-inch gate valve on the landside (LS) slope. This crossing could be the same record as DS_ID 19524 - unable to confirm. [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 208+15)].						
FS Date: 3/4/2014						

LM Start	2.06	Rating **	M	Issue No.	408 (cont)
LM End	2.06	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_31915_58270.jpg



Slide gate inside canal.

Photo 2 of 3 : UCIP_FA_2018_31915_58269.jpg



View of canal runs parallel on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.06	Rating **	M	Issue No.	408 (cont)	
LM End	2.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.794035 °	38.794035 °	
				-121.695870 °	-121.695870 °	
DWR ID	19538					
Comment Code						
Inspector Comment						
FS_ID:31915 DS_ID:19538 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Buried gate valve on landward slope. Crossing appears to be non-functional. Landward pipe section across canal has deteriorated. Will need to contact owner to determine status of crossing. If crossing is not in use owner will need to contact the CVFPB to abandon properly according to Title 23. FIELD_STRUCT_DESC: 20-inch corrugated metal gravity drainage pipe through the levee, at an unknown depth. 20-inch gate valve on the landside (LS) slope. This crossing could be the same record as DS_ID 19524 - unable to confirm. [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 208+15)]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_31915_58272.jpg



View of landward side.

LM Start	2.11	Rating **	M	Issue No.	76
LM End	2.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.793379 °	38.793379 °
				-121.696158 °	-121.696158 °
DWR ID	DWR_NA0022_01_s_2018_76				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Yolo County Service Area 6

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.18	Rating **	M	Issue No.	40
LM End	2.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.792499°	38.792499°
				-121.695508°	-121.695508°
DWR ID	DWR_NA0022_01_s_2012_40				
Comment Code					
EQ : Equipment					
Inspector Comment					
Equipment is placed at the toe of the levee.					

Photo 1 of 2 : FA_2018_NA0022_350_40_20180904_00023.jpg



An updated view of the equipment on landward side. Fall inspection 10/07/2016.

LM Start	2.18	Rating **	M	Issue No.	40 (cont)
LM End	2.18	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2018_NA0022_350_40_20180904_00024.jpg



View of equipment on the landward side of the levee looking downstream. Fall 2015.

LM Start	2.20	Rating **	M	Issue No.	160
LM End	2.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.792274 °	38.792274 °
				-121.695445 °	-121.695445 °
DWR ID	DWR_NA0022_01_f_2018_160				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree cuttings on waterside and landside levees slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.24	Rating **	M	Issue No.	35
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.791652 °	38.791172 °
				-121.695403 °	-121.695165 °
DWR ID	DWR_NA0022_01_s_2016_35				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair rills on landward side of the levee.					

Photo 1 of 2 : FA_2018_NA0022_350_35_20180904_00017.jpg



Perspective view of the erosion on the landward side of the levee. Spring 2016.

LM Start	2.24	Rating **	M	Issue No.	35 (cont)
LM End	2.28	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2018_NA0022_350_35_20180904_00018.jpg



Erosion is on the landward side of the levee. Spring 2016.

LM Start	2.30	Rating **	M	Issue No.	92
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.790825 °	38.790825 °
				-121.694900 °	-121.694900 °
DWR ID	DWR_NA0022_01_s_2018_92				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.35	Rating **	U	Issue No.	409
LM End	2.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.790260 °	38.790260 °
				-121.694510 °	-121.694510 °
DWR ID	19525				
Comment Code					
Inspector Comment					
FS_ID:52726 DS_ID:19525 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/17/2018 Erosion near concrete box on LS did not progress, but still poses a threat to levee integrity. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)7/13/2016 same as last inspection. Erosion has progressed. Need to coordinate with owner to address erosion on LS toe. (DWR UCIP - omagana)3/04/2014 Surface erosion near concrete box on landward side. Unable to determine if crossing is leaking or if pump is pulling sand from waterward side. Need to contact owner to determine status of crossing and to check integrity of crossing. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 4 feet below the crown (1955 levee log indicates crossing is 18.9 feet below the crown). Concrete well and pump house on the waterside (WS). Screw gate in pump house. Slant pump mounted on a steel structure on the riverbank. 4-foot by 4-foot concrete discharge box on the landside (LS) toe. Overhead power line and anchor crosses levee. Pole on each shoulder. (Plans for installation of a pump on the bank and to utilize an existing discharge pipe through the levee authorized under Permit No. 5951, 1967 - Elizabeth Huston). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 192+60)]. FS Date: 8/6/2018 8:28:18 AM					

LM Start	2.35	Rating **	U	Issue No.	409 (cont)
LM End	2.35	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_52726_57915.jpg



View of LS toe.

Photo 2 of 3 : UCIP_FA_2018_52726_57914.jpg



Slope erosion near concrete box.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.35	Rating **	U	Issue No.	409 (cont)	
LM End	2.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.790260 °		38.790260 °
				-121.694510 °		-121.694510 °
DWR ID	19525					
Comment Code						
Inspector Comment						
FS_ID:52726 DS_ID:19525 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/17/2018 Erosion near concrete box on LS did not progress, but still poses a threat to levee integrity. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)7/13/2016 same as last inspection. Erosion has progressed. Need to coordinate with owner to address erosion on LS toe. (DWR UCIP - omagana)3/04/2014 Surface erosion near concrete box on landward side. Unable to determine if crossing is leaking or if pump is pulling sand from waterward side. Need to contact owner to determine status of crossing and to check integrity of crossing. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 4 feet below the crown (1955 levee log indicates crossing is 18.9 feet below the crown). Concrete well and pump house on the waterside (WS). Screw gate in pump house. Slant pump mounted on a steel structure on the riverbank. 4-foot by 4-foot concrete discharge box on the landside (LS) toe. Overhead power line and anchor crosses levee. Pole on each shoulder. (Plans for installation of a pump on the bank and to utilize an existing discharge pipe through the levee authorized under Permit No. 5951, 1967 - Elizabeth Huston). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 192+60)]. FS Date: 8/6/2018 8:28:18 AM						

Photo 3 of 3 : UCIP_FA_2018_52726_57913.jpg



Outlet located on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.35	Rating **	M	Issue No.	96
LM End	2.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.790206 °	38.790206 °
				-121.694534 °	-121.694534 °
DWR ID	DWR_NA0022_01_f_2015_96				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There seems to be an erosion around the concrete box encasing the pipe.					

Photo 1 of 4 : FA_2018_NA0022_350_96_20180904_00047.jpg



Updated view of erosion on landside slope. Fall 2017.

LM Start	2.35	Rating **	M	Issue No.	96 (cont)
LM End	2.35	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : FA_2018_NA0022_350_96_20180904_00048.jpg



Perspective view of the erosion around the pipe on the landward side of the levee looking downstream. Fall 2015.

LM Start	2.35	Rating **	M	Issue No.	96 (cont)
LM End	2.35	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : FA_2018_NA0022_350_96_20180904_00049.jpg



The erosion is within the levee prism. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.35	Rating **	M	Issue No.	96 (cont)	
LM End	2.35	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.790206 °	38.790206 °	
				-121.694534 °	-121.694534 °	
DWR ID	DWR_NA0022_01_f_2015_96					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
There seems to be an erosion around the concrete box encasing the pipe.						

Photo 4 of 4 : FA_2018_NA0022_350_96_20180904_00050.jpg



View of the pipe in the concrete box. Fall 2015.

LM Start	2.37	Rating **	M	Issue No.	75
LM End	2.37	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.790009 °	38.790009 °
				-121.694554 °	-121.694554 °
DWR ID	DWR_NA0022_01_s_2018_75				
Comment Code					
DE : Debris					
Inspector Comment					
Pipe valve on crown.					

No Photos

LM Start	2.41	Rating **	A/W	Issue No.	94
LM End	2.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.789382 °	38.787405 °
				-121.694584 °	-121.694283 °
DWR ID	DWR_NA0022_01_s_2016_94				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
No tilling was observed during this inspection, but has been prevalent in the past.					

Photo 1 of 2 : FA_2018_NA0022_350_94_20180904_00045.jpg



An updated view of the site where landside slope was tilled due to agricultural activity. Fall inspection 10/07/2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.52	Rating **	U	Issue No.	37
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.787778°	38.787778°
				-121.694296°	-121.694296°
DWR ID	DWR_NA0022_01_s_2014_37				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0022_350_37_20180904_00021.jpg



Tree stump decomposing and may pose a risk to the levee. Spring 2014

LM Start	2.52	Rating **	U	Issue No.	123
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.787768 °	38.787768 °
				-121.694295 °	-121.694295 °
DWR ID	DWR_NA0022_01_s_2016_123				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA_2018_NA0022_350_123_20180904_00058.jpg



View of the rodent hole next to a tree stump on the landward side of the levee. Spring 2016.

LM Start	2.52	Rating **	U	Issue No.	123 (cont)
LM End	2.52	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2018_NA0022_350_123_20180904_00059.jpg



Perspective view of the rodent hole looking upstream. Spring 2016.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Yolo County Service Area 6

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	2.91	Rating **	M	Issue No.	129
LM End	2.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.783059 °	38.782464 °
				-121.691644 °	-121.690680 °
DWR ID	DWR_NA0022_01_f_2018_129				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove trees less than 4" in diameter at chest height.					

No Photos

LM Start	3.06	Rating **	M	Issue No.	12
LM End	3.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.781828 °	38.780852 °
				-121.689415 °	-121.688887 °
DWR ID	DWR_NA0022_01_f_2017_12				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 2 : FA_2018_NA0022_350_12_20180904_00007.jpg



Buildings are located at the toe of the levee. Fall 2012

LM Start	3.06	Rating **	M	Issue No.	12 (cont)
LM End	3.14	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2018_NA0022_350_12_20180904_00008.jpg



The buildings are encroaching into the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.11	Rating **	M	Issue No.	72
LM End	3.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.781165°	38.781165°
				-121.689072°	-121.689072°
DWR ID	DWR_NA0022_01_f_2017_72				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	3.14	Rating **	M	Issue No.	47
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.780857 °	38.780857 °
				-121.688921 °	-121.688921 °
DWR ID	DWR_NA0022_01_s_2015_47				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree has fallen over from Spring 2014.					

Photo 1 of 2 : FA_2018_NA0022_350_47_20180904_00025.jpg



View of the fallen tree on the waterward side of the levee looking downstream. Spring 2015.

LM Start	3.14	Rating **	M	Issue No.	47 (cont)
LM End	3.14	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2018_NA0022_350_47_20180904_00026.jpg



Some trees have fallen and others are dying and need to be monitored. The trees may pose a threat to the levee. Spring 2014

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Yolo County Service Area 6

View of the fallen tree on the waterward slope of the levee looking downstream. Spring 2016.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.23	Rating **	M	Issue No.	410
LM End	3.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.779625 °	38.779625 °
				-121.688090 °	-121.688090 °
DWR ID	19526				
Comment Code					
Inspector Comment					
FS_ID:39858 DS_ID:19526 EP_NO: 3205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 12-inch coated steel irrigation discharge pipe through the levee, 4 feet below the crown. Metal cutoff wall. Pump on the waterside (WS). Gate valve on the WS slope. Siphon breaker in an 18-inch concrete riser on the landside (LS) slope. 36-inch concrete standpipe at the LS toe. (Previous pipe referenced as USACE O&M irrigation pipe, Station 144+80, was removed and a 12-inch pipe was reinstalled under Permit No. 3205, 1959 - Mary A. Richardson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 144+80)]. FS Date: 3/4/2014					

LM Start	3.23	Rating **	M	Issue No.	410 (cont)
LM End	3.23	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_39858_71841.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2018_39858_71840.jpg



Positive closure device is buried on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.23	Rating **	M	Issue No.	410 (cont)	
LM End	3.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.779625 °	38.779625 °	
				-121.688090 °	-121.688090 °	
DWR ID	19526					
Comment Code						
Inspector Comment						
FS_ID:39858 DS_ID:19526 EP_NO: 3205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 12-inch coated steel irrigation discharge pipe through the levee, 4 feet below the crown. Metal cutoff wall. Pump on the waterside (WS). Gate valve on the WS slope. Siphon breaker in an 18-inch concrete riser on the landside (LS) slope. 36-inch concrete standpipe at the LS toe. (Previous pipe referenced as USACE O&M irrigation pipe, Station 144+80, was removed and a 12-inch pipe was reinstalled under Permit No. 3205, 1959 - Mary A. Richardson). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 144+80)]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_39858_71845.jpg



Pipe section visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.24	Rating **	M	Issue No.	411
LM End	3.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.779543°	38.779543°
				-121.688170°	-121.688170°
DWR ID	19545				
Comment Code					
Inspector Comment					
FS_ID:31916 DS_ID:19545 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner--Crossing appears to be abandoned. If crossing is no longer in use, crossing need to be abandoned properly per Title 23. FIELD_STRUCT_DESC: *REMOVED* 12-inch steel irrigation discharge pipe through the levee, at an unknown depth. Pump on the waterside (WS). Concrete standpipe on the landside (LS). (Previous pipe referenced as USACE O&M irrigation pipe, Station 144+80, was removed and a 12-inch pipe was reinstalled under Permit No. 3205, 1959 - Mary A. Richardson). [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 144+80)]. FS Date: 3/4/2014					

LM Start	3.24	Rating **	M	Issue No.	411 (cont)
LM End	3.24	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_31916_58275.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2018_31916_58274.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.24	Rating **	M	Issue No.	411 (cont)	
LM End	3.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.779543°	38.779543°	
				-121.688170°	-121.688170°	
DWR ID	19545					
Comment Code						
Inspector Comment						
FS_ID:31916						
DS_ID:19545						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner--Crossing appears to be abandoned. If crossing is no longer in use, crossing need to be abandoned properly per Title 23.						
FIELD_STRUCT_DESC: *REMOVED* 12-inch steel irrigation discharge pipe through the levee, at an unknown depth. Pump on the waterside (WS). Concrete standpipe on the landside (LS). (Previous pipe referenced as USACE O&M irrigation pipe, Station 144+80, was removed and a 12-inch pipe was reinstalled under Permit No. 3205, 1959 - Mary A. Richardson). [Additional Reference(s): USACE Sacramento O&M Manual 127, June 1953, (Station 144+80)].						
FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_31916_58273.jpg



Pipe section visible on waterward side.

LM Start	3.25	Rating **	C	Issue No.	43
LM End	3.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.779344°	38.779344°
				-121.688062°	-121.688062°
DWR ID	DWR_NA0022_01_s_2017_43				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.34	Rating **	M	Issue No.	53
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.778097°	38.778097°
				-121.687339°	-121.687339°
DWR ID	DWR_NA0022_01_f_2018_53				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.41	Rating **	M	Issue No.	79
LM End	3.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.777204°	38.777204°
				-121.687045°	-121.687045°
DWR ID	DWR_NA0022_01_s_2015_79				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Stairs have eroded and turned into a slope stability issue.					

Photo 1 of 3 : FA_2018_NA0022_350_79_20180904_00035.jpg



View of the stairs on the landward side of the levee looking downstream. Spring 2015.

LM Start	3.41	Rating **	M	Issue No.	79 (cont)
LM End	3.41	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2018_NA0022_350_79_20180904_00036.jpg



Dirt stairs has eroded and caused a slope stability. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.41	Rating **	M	Issue No.	79 (cont)	
LM End	3.41	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.777204°		38.777204°
				-121.687045°		-121.687045°
DWR ID	DWR_NA0022_01_s_2015_79					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
Stairs have eroded and turned into a slope stability issue.						

Photo 3 of 3 : FA_2018_NA0022_350_79_20180904_00037.jpg



Stairwell has eroded more creating erosion issue. Fall inspection 10/07/2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.41	Rating **	M	Issue No.	412
LM End	3.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.777190°	38.777190°
				-121.687048°	-121.687048°
DWR ID	19527				
Comment Code					
Inspector Comment					
FS_ID:52727 DS_ID:19527 EP_NO: 3729 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/17/2018 Section of WS levee slope that was disturbed during flow meter installation was backfilled but not compacted properly. Due to this, crossing downgraded to "Non-Urgent". Water pump was running during inspection, no leaks detected. (O.Yakimov-DWR UCIP)10/24/2017 Received updated photos of site from DWR levee inspector, Z. Jojola. Photos show levee slope has been disturbed where the flow meter is attached to pipe on the WS and section of the levee has not been backfill per Title 23 requirements. Recommend contacting the owner and coordinating with LMA about the issue. Crossing has been upgraded from Non-Urgent to Urgent due to disturbance of levee section. (DWR UCIP - O. Magana)03/04/2014 Crossing has been modified. Need to contact owner to determine additional information pertaining to the modifications. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 10-inch irrigation discharge pipe of an unknown material through the levee, 3 feet below the crown. Metal cutoff wall. 1.5-inch electrical conduit through the levee, 1 foot below the crown. Service pole and meter at the landside (LS) toe. Pump and gate valve on the riverbank with an access ramp. Siphon breaker in a 12-inch concrete riser on the LS shoulder. (Plans for installation of a 10-inch centrifugal pump on the bank with a discharge pipe through the levee authorized under Permit No. 3729, 1961 - Clayton Russell). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 7/17/2018					

Photo 1 of 3 : UCIP_FA_2018_52727_58279.jpg



View of landward side, photo 1 of 2.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.41	Rating **	M	Issue No.	412 (cont)	
LM End	3.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.777190°	38.777190°	
				-121.687048°	-121.687048°	
DWR ID	19527					
Comment Code						
Inspector Comment						
FS_ID:52727						
DS_ID:19527						
EP_NO: 3729						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 07/17/2018 Section of WS levee slope that was disturbed during flow meter installation was backfilled but not compacted properly. Due to this, crossing downgraded to "Non-Urgent". Water pump was running during inspection, no leaks detected. (O.Yakimov-DWR UCIP)10/24/2017 Received updated photos of site from DWR levee inspector, Z. Jojola. Photos show levee slope has been disturbed where the flow meter is attached to pipe on the WS and section of the levee has not been backfill per Title 23 requirements. Recommend contacting the owner and coordinating with LMA about the issue. Crossing has been upgraded from Non-Urgent to Urgent due to disturbance of levee section. (DWR UCIP - O. Magana)03/04/2014 Crossing has been modified. Need to contact owner to determine additional information pertaining to the modifications. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 10-inch irrigation discharge pipe of an unknown material through the levee, 3 feet below the crown. Metal cutoff wall. 1.5-inch electrical conduit through the levee, 1 foot below the crown. Service pole and meter at the landside (LS) toe. Pump and gate valve on the riverbank with an access ramp. Siphon breaker in a 12-inch concrete riser on the LS shoulder. (Plans for installation of a 10-inch centrifugal pump on the bank with a discharge pipe through the levee authorized under Permit No. 3729, 1961 - Clayton Russell). [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 7/17/2018						

Photo 2 of 3 : UCIP_FA_2018_52727_58282.jpg



View of landward side, photo 2 of 2.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.41	Rating **	M	Issue No.	412 (cont)	
LM End	3.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.777190°	38.777190°	
				-121.687048°	-121.687048°	
DWR ID	19527					
Comment Code						
Inspector Comment						
FS_ID:52727 DS_ID:19527 EP_NO: 3729 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/17/2018 Section of WS levee slope that was disturbed during flow meter installation was backfilled but not compacted properly. Due to this, crossing downgraded to "Non-Urgent". Water pump was running during inspection, no leaks detected. (O.Yakimov-DWR UCIP)10/24/2017 Received updated photos of site from DWR levee inspector, Z. Jojola. Photos show levee slope has been disturbed where the flow meter is attached to pipe on the WS and section of the levee has not been backfill per Title 23 requirements. Recommend contacting the owner and coordinating with LMA about the issue. Crossing has been upgraded from Non-Urgent to Urgent due to disturbance of levee section. (DWR UCIP - O. Magana)03/04/2014 Crossing has been modified. Need to contact owner to determine additional information pertaining to the modifications. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 10-inch irrigation discharge pipe of an unknown material through the levee, 3 feet below the crown. Metal cutoff wall. 1.5-inch electrical conduit through the levee, 1 foot below the crown. Service pole and meter at the landside (LS) toe. Pump and gate valve on the riverbank with an access ramp. Siphon breaker in a 12-inch concrete riser on the LS shoulder. (Plans for installation of a 10-inch centrifugal pump on the bank with a discharge pipe through the levee authorized under Permit No. 3729, 1961 - Clayton Russell). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 7/17/2018						

Photo 3 of 3 : UCIP_FA_2018_52727_58281.jpg



Flow meter located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.55	Rating **	M	Issue No.	413	
LM End	3.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.775208 °	38.775208 °	
				-121.687070 °	-121.687070 °	
DWR ID	19528					
Comment Code						
Inspector Comment						
FS_ID:38996						
DS_ID:19528						
EP_NO: 3722						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe visible only on waterward side--Pipe needs to be properly abandoned per Title 23. Need to contact owner to determine status of crossing.						
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Metal cutoff walls at centerline of levee. 1.5-inch electrical conduit through the levee, 1 foot below the crown. Pump and gate valve on the riverbank. Siphon breaker in a 12-inch concrete riser on the landside (LS) shoulder. Pipe connects to an existing 24-inch concrete standpipe at the LS toe. (Plans for construction of a pumping plant on the bank authorized under Permit No. 3722, 1961 - Glen L. and Duane P. Traganza). No standpipe found at the LS toe. In the 1955 levee log, the crossing was referenced as a 10-inch pipe, 5.3 feet below the crown, at HLM 3.60. [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 3/4/2014						

LM Start	3.55	Rating **	M	Issue No.	413 (cont)
LM End	3.55	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_38996_69568.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2018_38996_69567.jpg



Debris scattered on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.55	Rating **	M	Issue No.	413 (cont)	
LM End	3.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.775208 °	38.775208 °	
				-121.687070 °	-121.687070 °	
DWR ID	19528					
Comment Code						
Inspector Comment						
FS_ID:38996 DS_ID:19528 EP_NO: 3722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe visible only on waterward side--Pipe needs to be properly abandoned per Title 23. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Metal cutoff walls at centerline of levee. 1.5-inch electrical conduit through the levee, 1 foot below the crown. Pump and gate valve on the riverbank. Siphon breaker in a 12-inch concrete riser on the landside (LS) shoulder. Pipe connects to an existing 24-inch concrete standpipe at the LS toe. (Plans for construction of a pumping plant on the bank authorized under Permit No. 3722, 1961 - Glen L. and Duane P. Traganza). No standpipe found at the LS toe. In the 1955 levee log, the crossing was referenced as a 10-inch pipe, 5.3 feet below the crown, at HLM 3.60. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_38996_69566.jpg



Abandoned conduit line through levee.

LM Start	3.58	Rating **	M	Issue No.	74
LM End	3.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.774773 °	38.774773 °
				-121.687237 °	-121.687237 °
DWR ID	DWR_NA0022_01_f_2017_74				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen limb on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.59	Rating **	C	Issue No.	55
LM End	3.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.774644 °	38.774644 °
				-121.687297 °	-121.687297 °
DWR ID	DWR_NA0022_01_s _ 2018_55				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	3.64	Rating **	C	Issue No.	89
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.774008 °	38.774008 °
				-121.687701 °	-121.687701 °
DWR ID	DWR_NA0022_01_s _ 2012_89				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	3.71	Rating **	M	Issue No.	131
LM End	3.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.773130 °	38.772706 °
				-121.688454 °	-121.688927 °
DWR ID	DWR_NA0022_01_s _ 2016_131				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove trees less than 4" in diameter at chest height and trim trees.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Yolo County Service Area 6

No Photos

No Photos

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	3.99	Rating **	M	Issue No.	126
LM End	4.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.770412°	38.766975°
				-121.692378°	-121.693050°
DWR ID	DWR_NA0022_01_f_2016_126				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove trees less than 4-inches in diameter at chest height.					

No Photos

LM Start	4.01	Rating **	M	Issue No.	414
LM End	4.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.770295 °	38.770295 °
				-121.692580 °	-121.692580 °
DWR ID	19529				
Comment Code					
Inspector Comment					
FS_ID:38999 DS_ID:19529 EP_NO: 4570 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. CMP riser damage on waterward slope. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Metal plate welded on the waterside (WS) end. Pump, 1.5-inch electrical conduit, and gate valve in a concrete U-shaped headwall are located on the riverbank. (Plans to replace existing pump on the riverbank authorized under Permit 7618-A, 1974 - Wallace Construction Company, Inc., care of Laugenour and Meikle). Pipe extends from the pump to a concrete standpipe on the landside (LS). Pipe exposed on the LS slope. Water meter in a 36-inch corrugated metal pipe (CMP) riser on the WS slope. Siphon breaker in a 7-inch metal riser on the LS shoulder. 30-inch concrete riser at the LS toe. Metal cutoff wall installed. (Plans for construction of a pumping plant with a discharge pipe through the levee authorized under Permit No. 4570, 1964 - England Brothers). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_FA_2018_38999_57948.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	4.01	Rating **	M	Issue No.	414 (cont)	
LM End	4.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.770295 °	38.770295 °	
				-121.692580 °	-121.692580 °	
DWR ID	19529					
Comment Code						
Inspector Comment						
FS_ID:38999 DS_ID:19529 EP_NO: 4570 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. CMP riser damage on waterward slope. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Metal plate welded on the waterside (WS) end. Pump, 1.5-inch electrical conduit, and gate valve in a concrete U-shaped headwall are located on the riverbank. (Plans to replace existing pump on the riverbank authorized under Permit 7618-A, 1974 - Wallace Construction Company, Inc., care of Laugenour and Meikle). Pipe extends from the pump to a concrete standpipe on the landside (LS). Pipe exposed on the LS slope. Water meter in a 36-inch corrugated metal pipe (CMP) riser on the WS slope. Siphon breaker in a 7-inch metal riser on the LS shoulder. 30-inch concrete riser at the LS toe. Metal cutoff wall installed. (Plans for construction of a pumping plant with a discharge pipe through the levee authorized under Permit No. 4570, 1964 - England Brothers). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

LM Start	4.01	Rating **	M	Issue No.	414 (cont)
LM End	4.01	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_38999_57947.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2018_38999_57946.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	4.11	Rating **	M	Issue No.	134
LM End	4.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.769021 °	38.767275 °
				-121.693645 °	-121.693448 °
DWR ID	DWR_NA0022_01_s_2016_134				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.25	Rating **	A/W	Issue No.	36
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.767125 °	38.764582 °
				-121.693267 °	-121.690285 °
DWR ID	DWR_NA0022_01_f_2017_36				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : FA_2018_NA0022_350_36_20180904_00019.jpg



Another view of the site.

LM Start	4.25	Rating **	A/W	Issue No.	36 (cont)
LM End	4.49	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2018_NA0022_350_36_20180904_00020.jpg



Fence, irrigation and stakes in the revegetation site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	4.44	Rating **	M	Issue No.	415
LM End	4.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.765142 °	38.765142 °
				-121.690963 °	-121.690963 °
DWR ID	19530				
Comment Code					
Inspector Comment					
FS_ID:31986 DS_ID:19530 EP_NO: 9409 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump station not found. Crossing appears to be abandon. Need to contact owner to determine status. Repair site on waterward side--waterward slope revegetated. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 6.4 feet below the crown. Pump and control valve on the riverbank. Ramp on the landside (LS) slope. (Retention of a 16-inch pipe through the levee and a pump on the riverbank authorized under Automatic Board Order (ABO) issued as Permit No. 9409, 1974 - Clayton Russell). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_FA_2018_31986_58442.jpg



View of landward side.

LM Start	4.44	Rating **	M	Issue No.	415 (cont)
LM End	4.44	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_31986_58439.jpg



Pipe through levee punctured visible on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	4.44	Rating **	M	Issue No.	415 (cont)	
LM End	4.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.765142°	38.765142°	
				-121.690963°	-121.690963°	
DWR ID	19530					
Comment Code						
Inspector Comment						
FS_ID:31986 DS_ID:19530 EP_NO: 9409 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump station not found. Crossing appears to be abandon. Need to contact owner to determine status. Repair site on waterward side--waterward slope revegetated. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 6.4 feet below the crown. Pump and control valve on the riverbank. Ramp on the landside (LS) slope. (Retention of a 16-inch pipe through the levee and a pump on the riverbank authorized under Automatic Board Order (ABO) issued as Permit No. 9409, 1974 - Clayton Russell). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_31986_58441.jpg



View of waterward side.

LM Start	4.44	Rating **	M	Issue No.	81
LM End	4.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.765079 °	38.765079 °
				-121.690887 °	-121.690887 °
DWR ID	DWR_NA0022_01_f_2018_81				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	4.52	Rating **	U	Issue No.	416
LM End	4.52	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.764248 °	38.764248 °
				-121.689918 °	-121.689918 °
DWR ID	19537				

Comment Code

Inspector Comment

FS_ID:52728

DS_ID:19537

EP_NO: 18298

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 7/17/2018 Subsidence around siphon breaker on LS is present, although didn't increase in diameter. Water pump was running during site visit, small leak from pipe connection was observed on LS. (O.Yakimov-DWR UCIP)7/13/2016 same as last inspection - hole is still present near siphon breaker. Dense vegetation present and limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)3/04/2014 Subsidence visible where siphon breaker is located on landward side. Unable to determine if subsidence is due to poor compaction or leak at siphon breaker. Need to contact owner to address issue. (DWR UCIP - omagana)

FIELD_STRUCT_DESC: 14-inch coated steel water pipe through the levee, 2 feet below the crown. Pump platform is supported by 6 pilings on the waterside (WS) slope. Siphon breaker and air release valve on the landside (LS) shoulder. Concrete distribution box on the LS toe. Rock riprap along the WS slope. (Permit No. 18298, 2007 - Heidrick, [permit not in database]).

FS Date: 7/17/2018 11:31:53 AM

LM Start	4.52	Rating **	U	Issue No.	416 (cont)
LM End	4.52	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_52728_69573.jpg



View of LS--subsidence near levee crown.

Photo 2 of 3 : UCIP_FA_2018_52728_69572.jpg



Power pole with conduit line through levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	4.52	Rating **	U	Issue No.	416 (cont)	
LM End	4.52	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.764248 °	38.764248 °	
				-121.689918 °	-121.689918 °	
DWR ID	19537					
Comment Code						
Inspector Comment						
FS_ID:52728 DS_ID:19537 EP_NO: 18298 Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/17/2018 Subsidence around siphon breaker on LS is present, although didn't increase in diameter. Water pump was running during site visit, small leak from pipe connection was observed on LS. (O.Yakimov-DWR UCIP)7/13/2016 same as last inspection - hole is still present near siphon breaker. Dense vegetation present and limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)3/04/2014 Subsidence visible where siphon breaker is located on landward side. Unable to determine if subsidence is due to poor compaction or leak at siphon breaker. Need to contact owner to address issue. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 14-inch coated steel water pipe through the levee, 2 feet below the crown. Pump platform is supported by 6 pilings on the waterside (WS) slope. Siphon breaker and air release valve on the landside (LS) shoulder. Concrete distribution box on the LS toe. Rock riprap along the WS slope. (Permit No. 18298, 2007 - Heidrick, [permit not in database]). FS Date: 7/17/2018 11:31:53 AM						

Photo 3 of 3 : UCIP_FA_2018_52728_75759.jpg



Overview of pipe crossing looking upstream.

LM Start	4.57	Rating **	C	Issue No.	173
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.763800 °	38.763800 °
				-121.689177 °	-121.689177 °
DWR ID	DWR_NA0022_01_s_2017_173				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	4.62	Rating **	M	Issue No.	136
LM End	4.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.763380 °	38.763380 °	
			-121.688339 °	-121.688339 °	
DWR ID	DWR_NA0022_01_s _ 2016_136				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

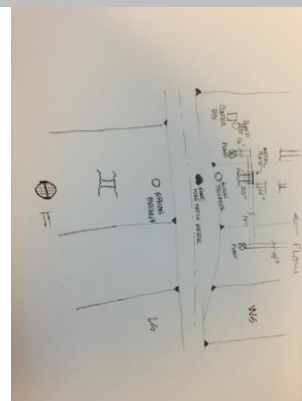
Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	4.69	Rating **	U	Issue No.	417
LM End	4.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.763087 °	38.763087 °
				-121.687125 °	-121.687125 °
DWR ID	19531				
Comment Code					
Inspector Comment					

FS_ID:52729
DS_ID:19531
EP_NO: 9408
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/17/2018 No change from previous inspection. Patch repair of pavement on levee crown is in the same condition. Good candidate for internal inspection. (O.Yakimov-DWR UCIP)10/24/2017 Received updated photos from DWR levee inspector, Z. Jojola, and the photos show some depression along LS slope. Road patch repair is still visible on levee road, recommend an internal integrity inspection of pipe to determine the condition through the levee and slopes. (DWR UCIP - O. Magana) 07/13/2016 Same as last inspection. Sink hole repair visible on levee road. Recommend contacting owner to determine if an internal integrity inspection of the pipe was completed to confirm sink hole was not the cause of the damage to road. If no internal integrity inspection was completed during road repair, recommend an internal integrity inspection be completed at this location based on the sink hole that developed along pipe alignment and based on age of pipe. (DWR UCIP - omagana)03/04/2014 Signs of sink hole repair on levee crown. Owner will need to contact CVFPB to address sink hole repair. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 20-inch steel irrigation discharge pipe through the levee, 4.7 feet below the crown. Two slant pumps on the waterside (WS) slope. Steel protective housing unit on each shoulder. Ramp on the landside (LS) slope. (Retention of a 20-inch pipe through the levee with two pumps on the WS berm authorized under Automatic Board Order (ABO) issued as Permit No. 9408, 1974 - Davidella, Grace, and Florence Hershey, Estates, care of LaBorde and Hoover). [Additional Reference(s): DWR Levee Log, 2005].
FS Date: 7/17/2018 11:54:53 AM

Photo 1 of 3 : UCIP_FA_2018_52729_58451.jpg



Plan view of crossing and appurtenances at CLM 4.692.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	4.69	Rating **	U	Issue No.	417 (cont)
LM End	4.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.763087 °	38.763087 °
				-121.687125 °	-121.687125 °
DWR ID	19531				

Comment Code

Inspector Comment

FS_ID:52729

DS_ID:19531

EP_NO: 9408

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/17/2018 No change from previous inspection.

Patch repair of pavement on levee crown is in the same condition.

Good candidate for internal inspection. (O.Yakimov-DWR

UCIP)10/24/2017 Received updated photos from DWR levee

inspector, Z. Jojola, and the photos show some depression along LS

slope. Road patch repair is still visible on levee road, recommend an

internal integrity inspection of pipe to determine the condition through

the levee and slopes. (DWR UCIP - O. Magana) 07/13/2016 Same

as last inspection. Sink hole repair visible on levee road. Recommend

contacting owner to determine if an internal integrity inspection of the

pipe was completed to confirm sink hole was not the cause of the

damage to road. If no internal integrity inspection was completed during

road repair, recommend an internal integrity inspection be completed at

this location based on the sink hole that developed along pipe

alignment and based on age of pipe. (DWR UCIP -

omagana)03/04/2014 Signs of sink hole repair on levee crown.

Owner will need to contact CVFPB to address sink hole repair. (DWR

UCIP - omagana)

FIELD_STRUCT_DESC: 20-inch steel irrigation discharge pipe through

the levee, 4.7 feet below the crown. Two slant pumps on the waterside

(WS) slope. Steel protective housing unit on each shoulder. Ramp on

the landside (LS) slope. (Retention of a 20-inch pipe through the levee

with two pumps on the WS berm authorized under Automatic Board

Order (ABO) issued as Permit No. 9408, 1974 - Davidella, Grace, and

Florence Hershey, Estates, care of LaBorde and Hoover). [Additional

Reference(s): DWR Levee Log, 2005].

FS Date: 7/17/2018 11:54:53 AM

Photo 2 of 3 : UCIP_FA_2018_52729_58455.jpg



View of WS.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	En : Enforcement
	N : Not Inspected/Rated	
	C : Corrected	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	4.69	Rating **	U	Issue No.	417 (cont)
LM End	4.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.763087 °	38.763087 °
				-121.687125 °	-121.687125 °
DWR ID	19531				

Comment Code

Inspector Comment

FS_ID:52729

DS_ID:19531

EP_NO: 9408

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/17/2018 No change from previous inspection.

Patch repair of pavement on levee crown is in the same condition.

Good candidate for internal inspection. (O.Yakimov-DWR

UCIP)10/24/2017 Received updated photos from DWR levee

inspector, Z. Jojola, and the photos show some depression along LS

slope. Road patch repair is still visible on levee road, recommend an

internal integrity inspection of pipe to determine the condition through

the levee and slopes. (DWR UCIP - O. Magana) 07/13/2016 Same

as last inspection. Sink hole repair visible on levee road. Recommend

contacting owner to determine if an internal integrity inspection of the

pipe was completed to confirm sink hole was not the cause of the

damage to road. If no internal integrity inspection was completed during

road repair, recommend an internal integrity inspection be completed at

this location based on the sink hole that developed along pipe

alignment and based on age of pipe. (DWR UCIP -

omagana)03/04/2014 Signs of sink hole repair on levee crown.

Owner will need to contact CVFPB to address sink hole repair. (DWR

UCIP - omagana)

FIELD_STRUCT_DESC: 20-inch steel irrigation discharge pipe through

the levee, 4.7 feet below the crown. Two slant pumps on the waterside

(WS) slope. Steel protective housing unit on each shoulder. Ramp on

the landside (LS) slope. (Retention of a 20-inch pipe through the levee

with two pumps on the WS berm authorized under Automatic Board

Order (ABO) issued as Permit No. 9408, 1974 - Davidella, Grace, and

Florence Hershey, Estates, care of LaBorde and Hoover). [Additional

Reference(s): DWR Levee Log, 2005].

FS Date: 7/17/2018 11:54:53 AM

Photo 3 of 3 : UCIP_FA_2018_52729_58459.jpg



Power pole, meter box, & pump control panels located on WS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	4.87	Rating **	M	Issue No.	137
LM End	4.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.763066°	38.763158°
				-121.683934°	-121.683155°
DWR ID	DWR_NA0022_01_s_2016_137				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.87	Rating **	C	Issue No.	175
LM End	4.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.763065 °	38.763065 °
				-121.683839 °	-121.683839 °
DWR ID	DWR_NA0022_01_s_2017_175				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	4.99	Rating **	M	Issue No.	66
LM End	4.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.762886°	38.762886°
				-121.681819°	-121.681819°
DWR ID	DWR_NA0022_01_f_2018_66				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	5.03	Rating **	M	Issue No.	139
LM End	5.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.762541°	38.762541°
				-121.681197°	-121.681197°
DWR ID	DWR_NA0022_01_s_2016_139				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove willows.					

No Photos

LM Start	5.07	Rating **	M	Issue No.	140
LM End	5.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.762163 °	38.762163 °
				-121.680674 °	-121.680674 °
DWR ID	DWR_NA0022_01_s_2018_140				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.11	Rating **	M	Issue No.	141
LM End	5.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.761632°	38.761435°
				-121.680132°	-121.679986°
DWR ID	DWR_NA0022_01_s_2016_141				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	5.18	Rating **	M	Issue No.	85
LM End	5.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.760861 °	38.760861 °
				-121.679476 °	-121.679476 °
DWR ID	DWR_NA0022_01_s_2018_85				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	5.19	Rating **	M	Issue No.	100
LM End	5.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.760703 °	38.760703 °
				-121.679320 °	-121.679320 °
DWR ID	DWR_NA0022_01_f_2015_100				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	5.28	Rating **	M	Issue No.	145
LM End	5.46	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.760056 °	38.759687 °
				-121.677844 °	-121.674623 °
DWR ID	DWR_NA0022_01_f_2016_145				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0022_350_145_20180904_00062.jpg



Fence on WS slope near levee crown. Fall inspection 10/07/2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	5.28	Rating **	M	Issue No.	144
LM End	5.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.760047 °	38.759687 °
				-121.677828 °	-121.674620 °
DWR ID	DWR_NA0022_01_f_2016_144				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0022_350_144_20180904_00061.jpg



Fence on LS slope near levee crown. Fall inspection 10/07/2016.

LM Start	5.29	Rating **	M	Issue No.	127
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.760013 °	38.759997 °
				-121.677758 °	-121.677724 °
DWR ID	DWR_NA0022_01_f_2016_127				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	5.47	Rating **	M	Issue No.	418
LM End	5.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.759678 °	38.759678 °
				-121.674492 °	-121.674492 °
DWR ID	19532				
Comment Code					
Inspector Comment					
FS_ID:31927 DS_ID:19532 EP_NO: 3811 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm is crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 3.6 feet below the crown. Pump at the waterside (WS) toe on the riverbank. Standard cutoff wall around the pipe at the center of the levee. Standpipe at the landside (LS) toe. Siphon breaker on the LS shoulder. This crossing replaces the previous USACE O&M irrigation pipe referenced at Station 27+49. (Plans to replace a pump, suction pipe, and discharge pipe of an existing pump on the bank authorized under Permit No. 3811, 1962 - Gus Inglin, care of E. E. Luhdorff Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 27+49)]. FS Date: 3/4/2014					

Photo 1 of 3 : UCIP_FA_2018_31927_58332.jpg



View of waterward side.

LM Start	5.47	Rating **	M	Issue No.	418 (cont)
LM End	5.47	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_31927_58331.jpg



Rip rap along waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	5.47	Rating **	M	Issue No.	418 (cont)	
LM End	5.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.759678 °	38.759678 °	
				-121.674492 °	-121.674492 °	
DWR ID	19532					
Comment Code						
Inspector Comment						
FS_ID:31927 DS_ID:19532 EP_NO: 3811 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm is crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 3.6 feet below the crown. Pump at the waterside (WS) toe on the riverbank. Standard cutoff wall around the pipe at the center of the levee. Standpipe at the landside (LS) toe. Siphon breaker on the LS shoulder. This crossing replaces the previous USACE O&M irrigation pipe referenced at Station 27+49. (Plans to replace a pump, suction pipe, and discharge pipe of an existing pump on the bank authorized under Permit No. 3811, 1962 - Gus Inglin, care of E. E. Luhdorff Company). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 127, June 1953, (Station 27+49)]. FS Date: 3/4/2014						

Photo 3 of 3 : UCIP_FA_2018_31927_58335.jpg



Pipe visible on waterward toe.

LM Start	5.50	Rating **	M	Issue No.	1
LM End	5.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759620 °	38.759412 °
				-121.673903 °	-121.673167 °
DWR ID	DWR_NA0022_01_s_2012_1				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0022_350_1_20180904_00001.jpg



The house and landscape are in the easment of the levee. Fall 2011

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	5.55	Rating **	M	Issue No.	147
LM End	5.70	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759366 °	38.758528 °
				-121.673027 °	-121.670497 °
DWR ID	DWR_NA0022_01_f_2018_147				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	5.56	Rating **	M	Issue No.	83
LM End	5.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759339 °	38.759339 °
				-121.672863 °	-121.672863 °
DWR ID	DWR_NA0022_01_s_2015_83				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings and fallen tree are on the waterward side of the levee.					

Photo 1 of 1 : FA_2018_NA0022_350_83_20180904_00040.jpg



View of the tree and tree limbs on the waterward side of the levee looking downstream. Spring 2015.

LM Start	5.61	Rating **	C	Issue No.	86
LM End	5.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.759128 °	38.759052 °
				-121.671913 °	-121.671610 °
DWR ID	DWR_NA0022_01_s_2018_86				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	5.67	Rating **	M	Issue No.	46
LM End	5.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.759000 °	38.758880 °
				-121.670759 °	-121.667899 °
DWR ID	DWR_NA0022_01_f_2018_46				

Comment Code

Inspector Comment

2017 Site ID: SAC 83.9 R
Status: Eroding
2017 Field Notes: Fresh erosion on lower bank.
Site History: 2006 - Approximately 18 to 20 ft of bank near levee at the corner of the levee and the Freemont Weir. Vertical bank with undercutting/mass failure. 2007 - Staked at top of bank for monitoring. 2011 - Site has become significantly worse with more of the toe and lower bank eroded. Many trees have fallen since last year. 2012 - Site looks worse with more erosion around trees. 2013 - Additional erosion into the toe. 2015 - Site extended upstream about 500 ft to account for eroding bank. 2016 - Site continues to erode. Multiple trees appear ready to fall into the river.

LM Start	5.67	Rating **	M	Issue No.	46 (cont)
LM End	5.85	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2018_NA0022_350_46_20181023_00130.jpg



USACE 2013 Photo #1

Photo 2 of 3 : FA_2018_NA0022_350_46_20181023_00131.jpg



USACE 2013 Photo #2

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	5.67	Rating **	M	Issue No.	46 (cont)
LM End	5.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.759000 °	38.758880 °
				-121.670759 °	-121.667899 °
DWR ID	DWR_NA0022_01_f _ 2018_46				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 83.9 R					
Status: Eroding					
2017 Field Notes: Fresh erosion on lower bank.					
Site History: 2006 - Approximately 18 to 20 ft of bank near levee at the corner of the levee and the Freemont Weir. Vertical bank with undercutting/mass failure. 2007 - Staked at top of bank for monitoring. 2011 - Site has become significantly worse with more of the toe and lower bank eroded. Many trees have fallen since last year. 2012 - Site looks worse with more ersion around trees. 2013 - Additional erosion into the toe. 2015 - Site extended upstream about 500 ft to account for eroding bank. 2016 - Site continues to erode. Multiple trees appear ready to fall into the river.					

Photo 3 of 3 : FA_2018_NA0022_350_46_20181023_00132.jpg



USACE 2013 Photo #3

LM Start	5.83	Rating **	A/W	Issue No.	84
LM End	5.83	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.758960 °	38.758960 °
				-121.668200 °	-121.668200 °
DWR ID	DWR_NA0022_01_f_2018_84				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 3 : FA_2018_NA0022_350_84_20180904_00041.jpg



View of an erosion site on waterward slope. Fall inspection 10/07/2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	5.83	Rating **	A/W	Issue No.	84 (cont)	
LM End	5.83	Issue Type +	Ob	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.758960 °	38.758960 °	
				-121.668200 °	-121.668200 °	
DWR ID	DWR_NA0022_01_f_2018_84					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						

Photo 2 of 3 : FA_2018_NA0022_350_84_20180904_00042.jpg



View of the erosion on the waterward side of the levee looking upstream.
Fall 2015.

LM Start	5.83	Rating **	A/W	Issue No.	84 (cont)
LM End	5.83	Issue Type +	Ob	Location *	WS

Photo 3 of 3 : FA_2018_NA0022_350_84_20180904_00043.jpg



View of the erosion on the waterward side of the levee looking
downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	09/28/2018 09/28/2018	Zach Jojola

LM Start	5.85	Rating **	A/W	Issue No.	57
LM End		Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.759100 °	°
				-121.667964 °	°
DWR ID	DWR_NA0022_01_f_2017_57				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Immediately U.S. of Fremont Weir Site ID No: 490 Site Designation: LMA-328 Repair Type: Erosion Rating: Serious Field Date: 7/27/2017 Notes: wide crown. Erosion not in prism. May be a new erosion pocket, but need to compare to fsrp data. Old veg still present.					

Photo 1 of 1 : LEVAL_FA_2018_490_4925.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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